Tensorgrip®

H44

IMO "Wheelmark" APPROVED

A2-s1, d0
EN 13501-1:2008

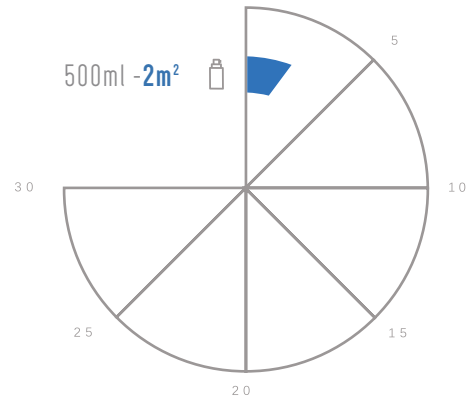## HIGH PERFORMANCE INSULATION SPRAY ADHESIVE

TensorGrip® H44 is a High-Performance Insulation Spray Adhesive developed to bond insulation materials including foil, tissue and plain faced mineral and stone wool insulation to many types of substrates. Such as aluminium/metal, wood, concrete, and plasterboard. TensorGrip® H44 has EU IMO Wheelmark Approval for Marine applications and is designed for permanent bonding where immediate bond strength and high heat resistance are required. TensorGrip® H44 also achieves EN13501 – 1:2008 Class A2 fire classification with a market leading A2 s1 d0 test result making this a perfect product for use in fire rated applications such insulated building facades/curtainwall/bulkhead panel fabrication.

ADVANTAGES

- IMO "Wheelmark" Approved: 2434 / 2022. Certificate Number: 2434-MED-0073.
- Class A2 Fire Rating.
- High Temperature Resistance.
- Fast Drying.

TECHDATA

SQUARE METRE COVERAGE (m²):

500ml - **2m²**

5
10
15
20
25
30

APPLICATION:

2 sided

FLASH-OFF*:

2 - 4 mins

OPEN TIME**:

Up to 40 mins

COLOUR:

Clear

SUITABLE FOR:

- Insulation
- Aluminium Sheeting
- Fabric
- Concrete
- Plasterboard
- MDF

PROPERTIES:

- Web Spray
- IMO "Wheelmark" Approved
- Class A2 Fire Rating

*consult the Spray Manual for a more detailed tutorial on the bonding process.

*depending on ambient temperature.

QUIN GLOBAL — ADHESIVE INNOVATORS

CERTIFIED ISO 9001 · ISO 14001   CERTIFIED OHSAS 18001   UKAS MANAGEMENT SYSTEMS 001

INVESTORS IN PEOPLE | Silver

INVESTORS IN YOUNG PEOPLE | GOOD PRACTICE AWARD

CHEMICAL TECHNICAL DATA

Viscosity	350 cps 25°C sp#2, 30 r.p.m
Total Solids	28% - 30%
Colour	Clear
System Flammability	Non-flammable adhesive in flammable propellant
Shear	1600 N/50mm or 32MPa
90° Peel	60N
Shear adhesion failure temp. (SAFT) 100gram	> 120°C
Heat resistance (25mm/100gram)	120°C
Flash Off	2-4 mins dependant on temp & humidity
Open time	Up to 40 mins
SHELF LIFE	18 months from date of manufacture

HANDLING & STORAGE

- Consult Safety Data Sheet prior to use.
- Do not expose to temperatures exceeding 50°C/122°F
- Store at temperatures between 10°C and 25°C.
- Avoid exposing aerosol containers to high temperatures or direct sunlight.
- Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources.
- Shake well before use.
- To prevent nozzle from blocking, turn can upside down, press nozzle until spray is clear of adhesive.
- Replace cap after use to protect actuator / valve.
- Use only in a well ventilated aera.
- Always test product to determine suitability for your particular application prior to use in production.

DIRECTIONS FOR USE

- This product is designed to be applied to two surfaces to be bonded together. For best results, the temperature of the adhesive and the surfaces being bonded should be between 60 °F - 80 °F (16 °C - 27 °C).

- Use with adequate ventilation.

- Prior to use, check compatibility by spraying a small test patch of the adhesive on the substrate. This product may degrade some substrates.

1. Shake can well before use.

2. Make sure that surfaces are clean, dry and free from dirt, dust, oil, loose paint, wax or grease, etc.

3. Spray about 10-20 cm (4" – 8") away at a 90-degree angle to the surface, applying a uniform, even coat of adhesive to obtain 80% to 100% coverage of the surface. If necessary, spray another coat of adhesive in areas that appear to need more adhesive. Spray both surfaces to be bonded, one surface vertically and the other surface horizontally.

4. Allow 2-4 minutes for adhesive to tack off until no adhesive transfers to the knuckle when touched.

5. Bring the surfaces together with spray patterns crossing each other at 90° for best adhesion, ensuring adequate pressure is applied.
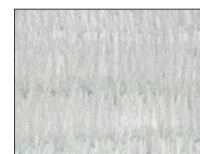
6. A roller is recommended to apply a uniform pressure to achieve maximum strength. Allow 24 hours for the adhesive to fully cure.

7. To prevent nozzle from blocking, turn can upside down press nozzle until spray is clear of adhesive. If nozzle becomes blocked, the adhesive can be removed with a solvent such as lacquer thinner or acetone.

COVERAGE

COVERAGE TOO LIGHT   COVERAGE TOO HEAVY   CORRECT